CELESTRON
Astronomy

THE UNIVERSE IS YOURS TO EXPLORE

For more than 50 years, Celestron's highest ambition has been to inspire a sense of wonder, knowledge, and fun with every product we make. That's why we tailor our astronomy products for every level of intellectual curiosity, from new stargazers to advanced astronomers, so everyone can experience the stunning beauty of the celestial bodies surrounding our home planet. The sky is closer than ever before—**experience what makes Celestron universally superior.**

TECHNOLOGICAL INNOVATION

SkyAlign™

Ideal for beginners and advanced users alike, SkyAlign makes aligning a computerized telescope fast, easy, and accurate. Simply point at any three bright objects in the sky and the telescope aligns itself. From there, navigation and tracking is as easy as pushing a button.

StarSense™

With Celestron's patented StarSense technology, your telescope aligns itself! Just press "Align" on the StarSense hand control, sit back and relax. StarSense uses an onboard digital camera and internal star database to align itself with the night sky. In about three minutes, you're ready to observe. StarSense technology is available in our SkyProdigy telescopes and the StarSense AutoAlign accessory.

EdgeHD™ Optics

Celestron's revolutionary aplanatic EdgeHD optics reduce off-axis star coma while providing an astrograph-quality flat focal plane all the way to the edge of the field of view. The result is a focal plane more than three times flatter than a standard Schmidt-Cassegrain telescope and dramatically flatter than other competing coma-free designs, guaranteeing sharp stars across today's largest CCD sensors.

StarBright™ XLT Coatings

One of the most important factors in a Schmidt-Cassegrain telescope is its transmission–the percentage of light that reaches the focal plane. To increase transmission, Celestron engineers developed proprietary StarBright XLT anti-reflective optical coatings, which we apply to all the mirrors and lenses in the optical system. The StarBright XLT coatings on the Schmidt corrector lens allow an impressive 97.4% transmission, enhancing views for visual observers and allowing more light to reach the CCD sensor during astronomical imaging.

All-Star™ Polar Alignment

Get ready for a night of astroimaging faster than previously thought possible. Once your telescope is aligned, All-Star Polar Alignment lets you use any bright star listed in the NexStar+ hand control to assist in mechanically aligning your mount with the North Celestial Pole through a straightforward centering process, so you spend less time aligning and more time imaging.

NexRemote™

Celestron has been in the forefront of computerized telescope technology for over two decades, and NexRemote takes innovation one step further. This telescope control software replaces the hand control, allowing the user to control their Celestron computerized telescope from a PC or laptop.

Learn more about Celestron Technologies at celestron.com

AstroMaster®

The quintessential beginner telescope, Celestron's dual-purpose AstroMaster series features precision optical elements and premium coated optics for bright, clear views, whether you're observing celestial objects or terrestrial landscapes. No matter which telescope you choose, you'll be able to explore the craters of the Moon, the belts of Jupiter, and the rings of Saturn. For breathtaking views of deep-sky objects like galaxies and nebulae, consider the larger aperture Newtonian reflectors.

Alt-Az models come equipped with a convenient pan handle and built-in clutch for easy targeting and smooth motion. This mount design is best for viewing nature and celestial objects.

German Equatorial Mount equipped with setting circles and slow motion controls to accurately locate and track sky objects.(21062, 31035, 21064, 31042, 31045 and 31051)

Learn more about AstroMaster Series by visiting **celestron.com/astromaster**

AstroMaster Key Features

- Refractor and Newtonian reflector optical tubes with all-glass coated optics
- Simple no-tool setup
- Built-on StarPointer finderscope, 1.25" star diagonal, and two 1.25" eyepieces (20 mm and 10 mm)
- Alt-azimuth and German equatorial mounts on rugged pre-assembled steel tripod with accessory tray
- TheSkyX – First Light Edition astronomy software with 10,000 object database and printable sky maps

Item #	21061	21062	31035	21063	21064	31042	31045 / 31051*
Model Name	AstroMaster 70AZ	AstroMaster 70EQ	AstroMaster 76EQ	AstroMaster 90AZ	AstroMaster 90EQ	AstroMaster 114EQ	AstroMaster 130EQ
Optical Design / Aperture	Refractor / 70 mm (2.8")	Refractor / 70 mm (2.8")	Reflector / 76 mm (3")	Refractor / 90 mm (3.5")	Refractor / 90 mm (3.5")	Reflector / 114 mm (4.5")	Reflector / 130 mm (5")
Focal Length / Focal Ratio	900 mm / f/13	900 mm / f/13	700 mm / f/9	1000 mm / f/11	1000 mm / f/11	1000 mm / f/9	650 mm / f/5
Weight	18 lbs.	18 lbs.	16 lbs.	20 lbs.	27 lbs.	17 lbs.	28 lbs.

*Includes Motor Drive

COMETRON®

Originally conceived for the Year of the Comets, Cometron telescopes offer a wide field of view that makes them ideal for observing planets, open star clusters, nebulae, geographical features on the Moon and, of course, comets! The Cometron series includes two Newtonian reflectors the whole family will enjoy. Cometron FirstScope features a compact tabletop design, while the full-size Cometron 114AZ is an outstanding choice thanks to its high-quality parabolic mirror. Both are a superb value and include 2 Kellner eyepieces.

Cometron FirstScope Key Features

+ 76 mm Newtonian reflector optical tube with all-glass coated optics
+ Fast focal ratio offers a wide field of view perfect for observing comets, star clusters, galaxies, and more
+ 5x24 finderscope and two 1.25" Kellner eyepieces (20 mm and 10 mm)
+ Pre-assembled Dobsonian-style stand for simple, no-tool setup

Learn more about Cometron Series by visiting **celestron.com/cometron**

Cometron 114AZ Key Features

+ 114 mm Newtonian reflector optical tube with all-glass coated optics
+ Parabolic mirror creates sharp images and eliminates spherical aberration
+ Simple no-tool setup
+ Fast focal ratio offers a wide field of view perfect for observing comets, star clusters, galaxies, and more
+ Red Dot finderscope and two 1.25" Kellner eyepieces (20 mm and 10 mm)
+ Rugged pre-assembled steel tripod with accessory tray

Item #	21023	21079
Model Name	Cometron FirstScope	Cometron 114AZ
Optical Design / Aperture	Newtonian Reflector / 76 mm (2.99 in)	Newtonian Reflector / 114 mm (4.49 in)
Focal Length / Focal Ratio	300 mm (12 in) / f/3.95	450 mm (18 in) / f/3.95
Weight	4.3 lbs.	8.4 lbs.

Omni™ XLT

High-quality optics meet elegant design in the Omni XLT series. With three optical tube styles, the Omni XLT series has a setup to suit the needs of every amateur astronomer. Our proprietary StarBright XLT coatings maximize light transmission and reduce internal reflections for the brightest possible images. The CG-4 German equatorial mount helps you navigate the night sky quickly and track objects smoothly.

A tall Finderscope mount for easier viewing through the Finderscope.

The CG-4 German Equatorial mount has a freshly refined style and provides the stability you expect from the CG mounts.

Learn more about Omni XLT Series by visiting **celestron.com/omnixlt**

StarBright® XLT COATINGS

Omni XLT Key Features

- Refractor, Newtonian reflector, and Schmidt-Cassegrain optical tubes with StarBright XLT optical coatings
- CG-4 German equatorial mount with setting circles, slow-motion controls, and ball bearings in both axes for smooth, accurate locating and tracking
- 6x30 finderscope, 1.25" star diagonal, and 1.25" 25 mm multi-coated eyepiece
- Sturdy pre-assembled steel tripod with accessory tray
- TheSkyX – First Light Edition astronomy software with 10,000 object database and printable sky maps

Item #	21088	21090	21094	31057	11084
Model Name	Omni XLT 102	Omni XLT 120	Omni XLT 150 R	Omni XLT 150	Omni XLT 127
Optical Design / Aperture	Refractor / 102 mm (4")	Refractor / 120 mm (4.7")	Refractor / 150 mm (6")	Newtonian Reflector / 150 mm (6")	Schmidt-Cassegrain / 127 mm (5")
Focal Length / Focal Ratio	1000 mm / f/10	1000 mm / f/8.3	750 mm / f/5	750 mm / f/5	1250 mm
Weight	43 lbs.	46 lbs.	49.5 lbs.	45.5 lbs.	40 lbs.

Get the same advanced features on some of today's top telescope systems at a fraction of the price with the LCM Computerized Telescope series. Aspiring astronomers will love using this computerized telescope to view stars, planets, nebulae, galaxies, and more with the tap of a button. Getting set up is easy, too, with our award-winning SkyAlign technology. Just center any three bright objects in your telescope's eyepiece, and the computer calculates its exact position. From there, your LCM can navigate to any target in its 4,000-object database. You don't need to know the names of stars or constellations, just scroll through the list of the best objects visible and let your LCM telescope show you the universe in a whole new way.

Learn more about LCM Series by visiting **celestron.com/lcm**

LCM Key Features

- Refractor and Newtonian reflector optical tubes with all-glass coated optics
- SkyAlign alignment technology
- Lightweight computerized alt-azimuth mount with 4,000+ object database and flash-upgradeable NexStar+ hand control
- Built-on StarPointer finderscope, 1.25" star diagonal, and two 1.25" eyepieces (25 mm and 9 mm)
- Pre-assembled aluminum tripod with accessory tray
- TheSkyX – First Light Edition astronomy software with 10,000 object database and printable sky maps

Item #	22050	31151	22051	22054	31150
Model Name	60LCM	76LCM	80LCM	90LCM	114LCM
Optical Design / Aperture	Refractor / 60 mm (2.4")	Reflector / 76 mm (3")	Refractor / 80 mm (3.1")	Refractor / 90 mm (3.5")	Reflector / 114 mm (4.5")
Focal Length / Focal Ratio	700 mm / f/12	700 mm / f/9	900 mm / f/11	660 mm / f/7	1000 mm / f/8.8
Weight	10 lbs.	13 lbs.	14 lbs.	15 lbs.	15 lbs.

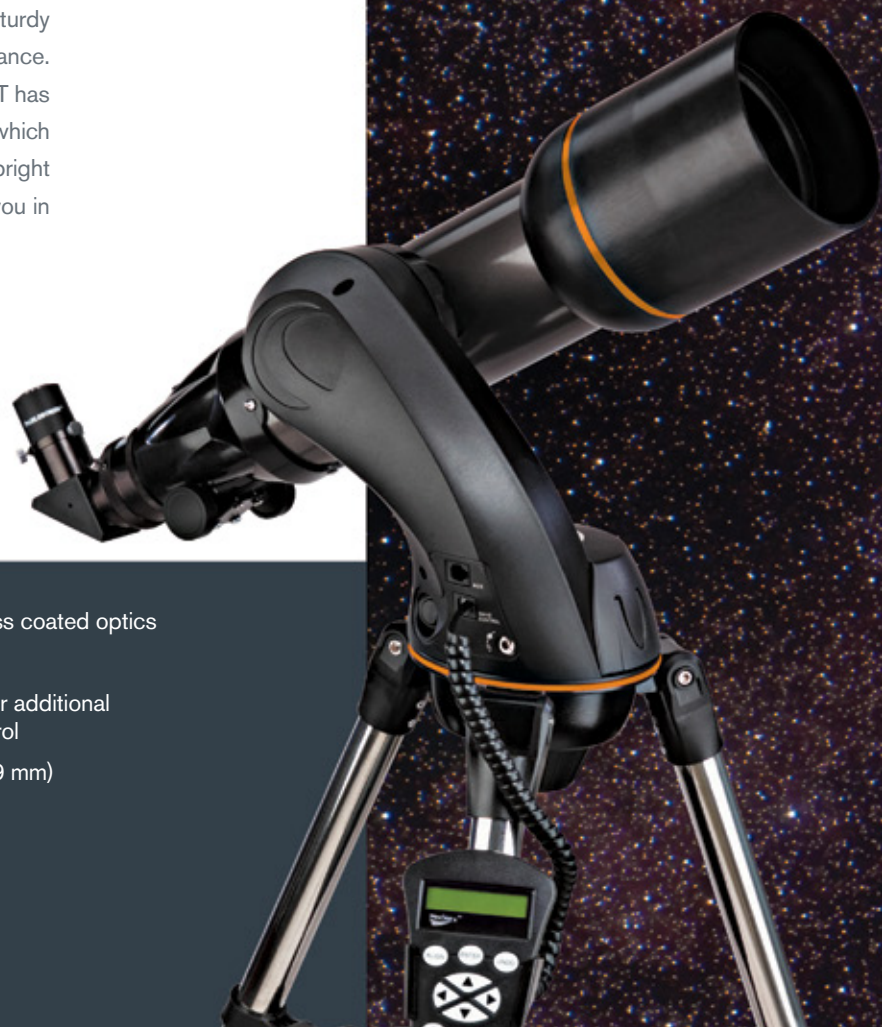
NexStar® SLT

Take your explorations to new heights with Celestron's NexStar SLT line. The sturdy single fork arm mount anchors your telescope, providing improved stability and performance. Available with a variety of optical designs and up to 127 mm in aperture, the NexStar SLT has something for everyone. Beginners will appreciate the intuitive SkyAlign technology, which makes aligning your telescope's computer to the night sky as easy as centering three bright objects in the eyepiece. The NexStar SLT is a precision instrument that can grow with you in the hobby of amateur astronomy for years to come.

Learn more about NexStar SLT Series by visiting **celestron.com/nexstarslt**

NexStar SLT Key Features

+ Refractor, Newtonian reflector, and Maksutov-Cassegrain optical tubes with all-glass coated optics
+ SkyAlign alignment technology
+ Computerized alt-azimuth mount with quick-release fork-arm mount, auxiliary port for additional accessories, 4,000+ object database, and flash-upgradeable NexStar+ hand control
+ StarPointer finderscope, 1.25" star diagonal, and two 1.25" eyepieces (25 mm and 9 mm)
+ Sturdy pre-assembled steel tripod with accessory tray
+ TheSkyX – First Light Edition astronomy software with 10,000 object database and printable sky maps

Item #	22087	22097	22096	31145
Model Name	NexStar 90 SLT	NexStar 127 SLT	NexStar 102 SLT	NexStar 130 SLT
Optical Design / Aperture	Maksutov-Cassegrain / 90 mm (3.5")	Maksutov-Cassegrain / 127 mm (5")	Refractor / 102 mm (4")	Reflector / 130 mm (5.1")
Focal Length / Focal Ratio	1250 mm / f/14	1500 mm / f/12	660 mm / f/6	650 mm / f/5
Weight	12 lbs.	18 lbs.	14 lbs.	18 lbs.

SKYPRODIGY™

Meet SkyProdigy, your personal tour guide of universe. This groundbreaking telescope makes it easier than ever to locate objects in the night sky, even if you've never used a telescope before. Just turn it on and push "Align" on the hand control. SkyProdigy uses patented StarSense technology to capture images of star patterns and match them like fingerprints to its internal database, automatically aligning itself in about three minutes. Based on your exact time and location, StarSense can determine all the best planets, stars, star clusters, and other celestial objects currently visible. Choose an object from the list, and your telescope centers it perfectly in your eyepiece.

Learn more about SkyProdigy Series by visiting **celestron.com/skyprodigy**

SkyProdigy Key Features

- Newtonian reflector and Schmidt-Cassegrain optical tubes with fully multi-coated optics
- StarSense fully automatic alignment technology
- Computerized alt-azimuth mount with quick-release fork-arm mount and flash-upgradeable StarSense hand control with 4,000+ object database
- StarPointer finderscope, 1.25" star diagonal, and two 1.25" eyepieces (25 mm and 9 mm)
- Sturdy pre-assembled steel tripod with accessory tray
- TheSkyX – First Light Edition astronomy software with 10,000 object database and printable sky maps

Item #	31153	11076
Model Name	SkyProdigy 130	SkyProdigy 6
Optical Design / Aperture	Newtonian Reflector / 130 mm (5.12 in)	Schmidt-Cassegrain / 152 mm (6 in)
Focal Length / Focal Ratio	650 mm (26 in) / f/5	1500 mm (59 in) / f/10
Weight	18 lbs.	23 lbs.

NexStar® SE

Back in 1970, Celestron made its mark on the astronomy market with its legendary orange-tube C8. The NexStar SE line continues that heritage, with vivid orange tubes in four apertures on a smooth computerized alt-azimuth mount. Pair that with StarBright XLT optical coatings, SkyAlign, and even a built-in astroimaging wedge (on the 4SE and 5SE), and the NexStar SE becomes a reliable all-around setup that astronomers of all experience levels will take out again and again to experience our solar system and beyond.

Learn more about NexStar SE Series by visiting **celestron.com/nexstarse**

NexStar SE Key Features

+ Maksutov-Cassegrain and Schmidt-Cassegrain optical tubes with StarBright XLT optical coatings
+ SkyAlign alignment technology
+ Computerized alt-azimuth mount with quick-release fork-arm mount, built-in wedge (on 4SE and 5SE models), 40,000 object database, and flash-upgradeable NexStar+ hand control
+ StarPointer finderscope, 1.25" star diagonal, and 1.25" 25 mm eyepiece
+ Sturdy pre-assembled steel tripod with accessory tray
+ TheSkyX – First Light Edition astronomy software with 10,000 object database and printable sky maps

Item #	11049	11036	11068	11069
Model Name	NexStar 4SE	NexStar 5SE	NexStar 6SE	NexStar 8SE
Optical Design / Aperture	Maksutov-Cassegrain / 102 mm (4")	Schmidt-Cassegrain / 125 mm (5")	Schmidt-Cassegrain / 150 mm (6")	Schmidt-Cassegrain / 203 mm (8")
Focal Length / Focal Ratio	1325 mm / f/13	1250 mm / f/10	1500 mm / f/10	2032 mm / f/10
Weight	21 lbs.	28 lbs.	30 lbs.	33 lbs.

CPC®

A rock-solid dual fork arm mount and large aperture at an affordable price: that's what makes the CPC telescope series a favorite among experienced amateur astronomers. Celestron's revolutionary SkyAlign plus an internal GPS make alignment a snap. Use the computerized hand control to quickly slew to over 40,000 celestial objects, then track your target precisely as it moves across the night sky. Imagers can place the CPC dual fork arm mount on an optional HD Pro Wedge to polar align it for long-exposure astrophotography. Thoughtful ergonomic design makes setting up and breaking down your CPC quick and painless.

Learn more about CPC Series by visiting **celestron.com/cpc**

CPC Key Features

- Schmidt-Cassegrain optical tubes with StarBright XLT optical coatings
- Computerized dual fork-arm mount with precision drive base and mechanics, quick-release clutch, large drive gears, ultra-wide bearing track drive base, auxiliary ports, 40,000 object database, and flash-upgradeable NexStar+ hand control
- SkyAlign, All-Star Polar Alignment, and internal GPS technology
- Permanently programmable periodic error correction when used with HD Pro Wedge
- 8x50 finderscope, 1.25" star diagonal, and 1.25" 40 mm Plössl eyepiece
- Heavy-duty steel tripod with accessory tray, spring-loaded mounting screws, and recessed mounting platform
- NexRemote telescope control software and RS-232 cable

CPC Item #	11073-XLT	11074-XLT	11075-XLT
Model Name	CPC 800	CPC 925	CPC 1100
Optical Design / Aperture	Schmidt-Cassegrain / 8" (203 mm)	Schmidt-Cassegrain / 9.25" (235 mm)	Schmidt-Cassegrain / 11" (279 mm)
Focal Length / Focal Ratio	2032 mm / f/10	2350 mm / f/10	2800 mm / f/10
Weight	69 lbs.	85 lbs.	92 lbs.

NexStar® Evolution

Celestron's signature telescopes reach a new level with NexStar Evolution, the first Schmidt-Cassegrain telescopes with integrated WiFi. Leave your hand control behind and slew all the best celestial objects with a tap of your smartphone or tablet. Connect your device to NexStar Evolution's built-in wireless network, and explore the universe with the Celestron mobile app for iOS and Android. Use the planetarium interface to view the night sky in real time or display a list of celestial objects currently visible based on your time and location.

We've perfected the key technologies and industrial design that have defined Celestron for over 50 years. Our proprietary SkyAlign alignment procedure is built right into the Celestron mobile app, so you're ready to observe within minutes. Enjoy stargazing marathons of up to 10 hours without external power using the integrated lithium-ion battery. Store up to 7 eyepieces in 2 accessory trays, one with an adjustable red LED illuminator. NexStar Evolution also offers worm gears and improved motors along with a sturdy single fork arm mount for impressive pointing and tracking accuracy. And of course, the Schmidt-Cassegrain optical system offers bright, sharp views with StarBright XLT optical coatings—a great choice for visual observers and budding astroimagers.

Learn more about NexStar Evolution Series by visiting
celestron.com/nexstarevolution

Power Button, USB Charging Port, AUX Port

Leg Height Engraving

NexStar Evolution Key Features

+ Wireless control from your iOS or Android smartphone or tablet with the free Celestron mobile app with planetarium interface and SkyAlign technology
+ Available with 6-, 8-, and 9.25-inch Schmidt-Cassegrain optical tubes with StarBright XLT optical coatings and Fastar compatibility
+ Computerized GoTo mount with high-performance worm gears and motors for improved tracking accuracy, along with reduced gear backlash
+ Rechargeable lithium-ion battery with enough power for 10 hours of continuous observing
+ Improved industrial design with manual clutches, integrated carry handles, two accessory trays and USB charge port for your smart device
+ Sturdy steel tripod with unique indexed tripod legs for easy height adjustment
+ Includes StarPointer finderscope, 2 1.25" Plossl eyepieces, 1.25" mirror star diagonal, AC adapter, and optional hand control

NexStar Evolution Item #	12090	12091	12092
Model Name	NexStar Evolution 6	NexStar Evolution 8	NexStar Evolution 9.25
Optical Design / Aperture	Schmidt-Cassegrain / 6" (150 mm)	Schmidt-Cassegrain / 8" (203 mm)	Schmidt-Cassegrain / 9.25" (235 mm)
Focal Length / Focal Ratio	1500 mm / f/10	2032 mm / f/10	2350 mm / f/10
Weight	35.4 lbs.	40.6 lbs.	46.6 lbs.

CPC Deluxe HD

We've improved upon the beloved CPC telescope and added acclaimed EdgeHD optics to create a system primed for serious visual observing and astroimaging. The CPC's signature dual fork arm mount has a reengineered worm gear motor drive for the smoothest tracking performance. Featuring the pinnacle of Celestron's optical technology–EdgeHD–the CPC Deluxe HD offers unsurpassed views with pinpoint stars all the way to the edge of the field of view. This versatile system also meets the needs of advanced imagers, featuring All-Star Polar Alignment with the optional HD Pro Wedge accessory.

Learn more about CPC Deluxe HD Series by visiting **celestron.com/cpcdeluxe**

CPC Deluxe HD Key Features

+ EdgeHD Schmidt-Cassegrain optical tubes with StarBright XLT coatings
+ Computerized dual fork-arm mount with redesigned worm-gear drive base and mechanics, ultra-wide bearing track drive base, auxiliary ports, 40,000 object database, and flash-upgradeable NexStar+ hand control
+ SkyAlign, All-Star Polar Alignment, and internal GPS technology plus Fastar compability
+ Permanently programmable periodic error correction when used with HD Pro Wedge
+ Primary mirror support clutches and cooling vents
+ 50 mm finderscope, 2" star diagonal, and 2" 23 mm Luminos eyepiece
+ Heavy-duty steel tripod with accessory tray, spring-loaded mounting screws, and recessed mounting platform
+ NexRemote telescope control software and RS-232 cable

Item #	11007	11008	11009
Model Name	CPC Deluxe 800 HD	CPC Deluxe 925 HD	CPC Deluxe 1100 HD
Optical Design / Aperture	EdgeHD / 203.2 mm (8 in)	EdgeHD / 235 mm (9.25 in)	EdgeHD / 279 mm (11 in)
Focal Length / Focal Ratio	2032 mm / f/10	2350 mm / f/10	2800 mm / f/10
Weight	70 lbs.	85 lbs.	93 lbs.

Advanced VX

Engineered from the ground up for optimum astroimaging performance and value, the Advanced VX offers the same features found on our top German equatorial mounts in a compact and portable package perfect for loads under 30 lbs. Use the built-in All-Star Polar Alignment technology and you're ready to image in about 20 minutes, even without a clear view of Polaris. Improved motors handle slight load imbalances with ease, while sturdy 2-inch tripod legs add rigidity to your system. With Advanced VX, you can image through the meridian, accurately track through long exposures using permanently programmable periodic error correction, and so much more. Pair this revolutionary mount with your favorite optical tube–including the available 8-inch EdgeHD–and take your imaging to the next level.

Learn more about Advanced VX Series by visiting **celestron.com/advancedvx**

Advanced VX Key Features

- Refractor, Newtonian reflector, Schmidt-Cassegrain, and EdgeHD Schmidt-Cassegrain optical tubes
- All-Star Polar Alignment plus Fastar compatibility
- Computerized German equatorial mount with permanently programmable periodic error correction, 40,000 object database, and flash-upgradeable NexStar+ hand control
- Allows viewing or imaging across the meridian without interference from the motor's housings, and can be used between 7° -77° latitude
- 6x30 finderscope and 1.25" eyepiece (varies with model)
- Steel tripod with accessory tray

Item #	32054	32062	12079	22020	12026	12031	12046	12067
Model Name	Advanced VX 6" Newtonian	Advanced VX 8" Newtonian	Advanced VX 6" SCT	Advanced VX 6" Refractor	Advanced VX 8" SCT	Advanced VX 8" EdgeHD	Advanced VX 9.25" SCT	Advanced VX 11" SCT
Optical Design / Aperture	Reflector / 150 mm (6")	Reflector / 200 mm (8")	Schmidt-Cassegrain / 150 mm (6")	Refractor / 150 mm (6")	Schmidt-Cassegrain / 203 mm (8")	EdgeHD / 203 mm (8")	Schmidt-Cassegrain / 235 mm (9.25")	Schmidt-Cassegrain / 280 mm (11")
Focal Length / Focal Ratio	750 mm / f/5	1000 mm / f/5	1500 mm / f/10	1200 mm / f/8	2032 mm / f/10	2032 mm / f/10	2350 mm / f/10	2800 mm / f/10
Weight	28 lbs.	32 lbs.	28 lbs.	37 lbs.	31 lbs.	31 lbs.	38 lbs.	45 lbs.

CGEM™

Our landmark CGEM computerized German equatorial mount is a trusted choice for advanced amateur astronomers. Designed to support optical tubes up to 11 inches, CGEM offers all the top features you'd expect: permanently programmable periodic error correction, All-Star Polar Alignment, SkyAlign, and more. What's more, we've recently added improved motor driver circuits to CGEM for increased torque. Sturdy 2-inch tripod legs anchor your system for long exposure astroimaging. Or, attach a Fastar lens assembly to your Schmidt-Cassegrain or EdgeHD optical tube and use your CGEM to image at f/2.

Learn more about CGEM Series by visiting **celestron.com/cgem**

CGEM Key Features

+ Schmidt-Cassegrain and EdgeHD Schmidt-Cassegrain optical tubes with StarBright XLT coatings
+ All-Star Polar Alignment plus Fastar compability
+ Computerized German equatorial mount with ergonomic adjustment knobs, permanently programmable periodic error correction, 40,000 object database, and flash-upgradeable NexStar+ hand control
+ Upgraded motor drive electronics and longer counterweight bar smoothly balance and move heavier optical tubes at up to 5° per second
+ Large mounting platform for secure, vibration-free tube attachment
+ Finderscope, star diagonal, and eyepiece (varies with model)
+ Heavy-duty steel tripod with accessory tray
+ NexRemote telescope control software and RS-232 cable

Item #	11097	11080	11098	11081	11099	11082
Model Name	CGEM 800	CGEM 800 HD	CGEM 925	CGEM 925 HD	CGEM 1100	CGEM 1100 HD
Optical Design / Aperture	Schmidt-Cassegrain / 203.2 mm (8")	EdgeHD Optics / 203.2 mm (8")	9.25" Schmidt-Cassegrain / 235 mm (9.25")	EdgeHD Optics / 235 mm (9.25")	11" Schmidt-Cassegrain / 280 mm (11")	EdgeHD Optics / 280 mm (11")
Focal Length / Focal Ratio	2032 mm / f10	2032 mm / f10	2350 mm / f10	2350 mm / f10	2800 mm / f10	2800 mm / f10
Weight	88 lbs.	88 lbs.	113 lbs.	113 lbs.	120 lbs.	120 lbs.

CGEM™ DX

If you want to carry Celestron's behemoth 14-inch optical tubes, you'll need the serious stability of CGEM DX. This heavy-duty mount offers all the great features of our classic CGEM mount, with additional payload capacity and the ability to slew up to 50 lbs. at speeds of up to 5 degrees per second. The CGEM DX also offers extra large, 3-inch tripod legs for rigidity. With all that support, you can make the most of your 11- or 14-inch telescope for visual observing or astroimaging.

Learn more about CGEM DX Series by visiting **celestron.com/cgemdx**

CGEM DX Key Features

- Schmidt-Cassegrain and EdgeHD Schmidt-Cassegrain optical tubes with StarBright XLT coatings
- All-Star Polar Alignment plus Fastar compatibility (EdgeHD only)
- Same great features as the CGEM mount, but with an increased payload capacity
- Upgraded motor drive electronics and longer counterweight bar smoothly balance and move heavier optical tubes at up to 5° per second
- Finderscope, star diagonal, and eyepiece (varies with model)
- Heavy-duty steel tripod with accessory tray
- NexRemote telescope control software and RS-232 cable

Item #	11000	11001	11002	11004
Model Name	CGEM DX 1100	CGEM DX 1400	CGEM DX 1100 HD	CGEM DX 1400 HD
Optical Design / Aperture	Schmidt-Cassegrain / 280 mm (11 in)	Schmidt-Cassegrain / 356 mm (14 in)	EdgeHD Optics / 280 mm (11 in)	EdgeHD Optics / 356 mm (14 in)
Focal Length / Focal Ratio	2800 mm / f/10	3910 mm / f/11	2800 mm / f/10	3910 mm / f/11
Weight	245 lbs.	185 lbs.	245 lbs.	185 lbs.

CGEPRO™

An observatory-quality astroimaging setup is well within your reach with Celestron's CGE Pro. Our flagship mount, CGE Pro is a rock-solid base for up to 90 lbs. of payload, including Celestron's 14-inch EdgeHD optical tube. Feel free to add accessories, guidescopes, CCD cameras, filter wheels, and more; CGE Pro's motors and 3-inch tripod legs will handle the load with ease. Our 11- and 14-inch CGE Pro telescopes feature all of Celestron's key technologies, including All-Star Polar Alignment, SkyAlign, StarBright XLT optical coatings, Fastar compatibility, and more. Add one of our EdgeHD optical tubes and you'll get the best telescope system Celestron has to offer, at a surprisingly affordable price.

Learn more about CGE Pro Series by visiting **celestron.com/cgepro**

CGE Pro Key Features

- Schmidt-Cassegrain and EdgeHD Schmidt-Cassegrain optical tubes with StarBright XLT coatings
- All-Star Polar Alignment plus Fastar compatibility
- Computerized German equatorial mount with ergonomic alt-az adjustment knobs, permanently programmable periodic error correction, 40,000 object database, and flash-upgradeable NexStar+ hand control
- No-slip pointing precision and smooth +/- 5 arc second tracking accuracy, with extended tracking past the meridian of up to 20°
- Faster slew speeds with a maximum rate of over 5° per second
- Finderscope, star diagonal, and eyepiece (varies with model)
- Super heavy-duty steel tripod with dual-leg support, upper and lower leg braces, and accessory tray
- NexRemote telescope control software and RS-232 cable

Item #	11086	11092	11087	11093	11094	11089
Model Name	CGE Pro 925	CGE Pro 925 HD	CGE Pro 1100	CGE Pro 1100 HD	CGE Pro 1400 HD	CGE Pro 1400
Optical Design / Aperture	Schmidt-Cassegrain / 235 mm (9.25")	Edge HD Optics / 235 mm (9.25")	Schmidt-Cassegrain / 280 mm (11")	Edge HD Optics / 280 mm (11")	Edge HD Optics / 356 mm (14")	Schmidt-Cassegrain / 356 mm (14")
Focal Length	2350 mm f/10	2350 mm f/10	2800 mm f/10	2800 mm f/10	3910 mm f/11	3910 mm f/11
Weight	176 lbs.	176 lbs.	204 lbs.	204 lbs.	243 lbs.	243 lbs.

SPECIALTY TELESCOPES

FirstScope

- Affordable entry-level telescope is ready for observing right out of the box
- 76 mm Newtonian reflector optical tube decorated with the names of history's most notable astronomers
- Dobsonian-style stand for easy lazy Susan-like navigation
- Comes with two eyepieces (20 mm and 4 mm)
- Portable, lightweight tabletop design folds into a compact size for travel and storage

Travel Scope 50 / Travel Scope 70

- Dual-purpose refractor for both terrestrial and astronomical viewing
- All-glass coated optics for clear, crisp images
- Smooth alt-azimuth mount for quick and easy pointing
- Comes with a finderscope, erect image diagonal, and two eyepieces
- Aluminum photographic tripod
- Comes with a custom backpack for travelling and storage

Ambassador

- A beautiful accent for your home or office that's also a fully functional dual-purpose telescope for both terrestrial and casual astronomical viewing
- Vintage-inspired brass 80 mm refractor optical tube with fully-coated optics
- Mahogany wooden tripod with brass accessory tray
- Comes with a 6x30 metal finderscope and a 25 mm eyepiece

EDGEHD™

Offered both as a solo optical tube assembly and in packages with our finest computerized mounts, Celestron's EdgeHD optical tubes offer true astrograph quality in apertures ranging from 8" to 14". The aplanatic Schmidt-Cassegrain telescope produces a coma-free focal plane more than three times flatter than a standard SCT, as well as dramatically flatter than other competing coma-free designs, for sharp images all the way to the edge of the field of view. Premium StarBright XLT coatings maximize light transmission.

Learn more about EdgeHD Series by visiting **celestron.com/edgehd**

Edge HD Series Key Features

+ EdgeHD Schmidt-Cassegrain optical tubes with StarBright XLT coatings
+ Fastar compatible for f/2 wide-field imaging
+ Primary mirror clutches reduce image shift when tube is rotating around mount
+ Cooling vents allow air to be released from behind the primary mirror
+ 9x50 finderscope and star diagonal
+ Add an EdgeHD .7x Focal Reducer Lens (available for EdgeHD 800, 1100, and 1400 models) to cut your exposure time in half and increase your field of view by 43% while maintaining the same flat-field performance of the native optical design

Astroimaging is one of the most rewarding activities amateur astronomers can participate in. EdgeHD optics can produce results that were only attainable by professional level (and professionally priced!) equipment as little as a decade ago. Hundreds of thousands of amateur astronomers now spend their time under the night sky, capturing stunning images of the heavens above.

Fox Fur Nebula and NGC 2264 Region by Bryan Cogdell with EdgeHD 800

IC 405 Dancing Blue by Tony Hallas with EdgeHD 1100

Crab Nebula by Andre Paquette with EdgeHD 1400

HD Pro Wedge ►

The HD Pro Wedge turns your CPC or CPC Deluxe HD into an impressive astroimaging setup, allowing your mount to accurately track celestial objects over long exposures.

ROWE-ACKERMANN SCHMIDT ASTROGRAPH

Capturing impressive deep-sky astroimages is easier than ever with Celestron's new Rowe-Ackermann Schmidt Astrograph, the perfect companion to today's top DSLR or astronomical CCD cameras. This fast, wide-field f/2.2 system offers two huge advantages over traditional f/10 astroimaging: better apparent tracking and shorter exposures. That means you'll create better-looking astroimages in a fraction of the time, even without the use of an autoguider.

The Rowe-Ackermann Schmidt Astrograph builds on the legacy of Celestron's Schmidt Camera, which allowed astrophotographers to produce images on film in the 1980s. Today, with CCD sensor sizes as large as film–or larger–the Schmidt Astrograph offers a full 70 mm optimized image circle to capture pinpoint, diffraction-limited stars on the largest imaging chips.

The Rowe-Ackermann Schmidt Astrograph features newly designed optics with 4-element rare-earth glass for images free of false color and aberrations like coma and field curvature. Meanwhile, a12V MagLev fan reduces cooldown time and provides optimal airflow through the optical tube. Advanced features like a custom engineered linear brass focuser bearing and FeatherTouch Micro Focus Knob allow you to make the fine adjustments you need to capture the perfect shot.

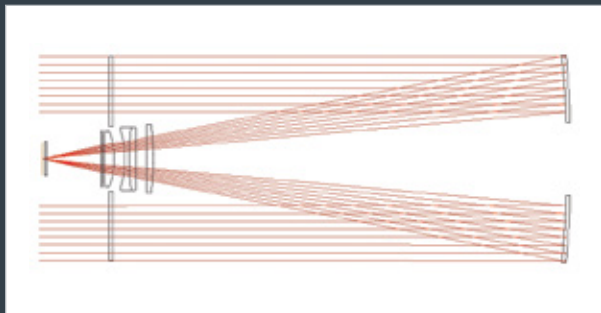
Learn more about Rowe-Ackermann Schmidt Astrograph by visiting **celestron.com/rasa**

Item #	91075
Model Name	Rowe-Ackermann F/2.2 Schmidt Astrograph
Optical Design / Aperture	Schmidt-Cassegrain / 279 mm (10.98 in)
Focal Length / Focal Ratio	620 mm / f/2.2
Weight	34 lbs.

The ultimate astroimaging tool, the Rowe-Ackermann Schmidt Astrograph cannot be used for visual observing at all. It was optimized as a complete system for wide field imaging. Just attach your DSLR or CCD camera to the front of the telescope and you're ready to produce the next generation of award-winning astrophotos.

IC 5070 Pelican by Bryan Cogdell with RASA

Rowe-Ackermann Schmidt Astrograph Key Features

- 11-inch f/2.2 optical design with rare-earth glass for images free of false color, coma, and field curvature
- 70 mm optimized image circle maintains diffraction limited, pinpoint stars to the far corners of even the largest astroimaging sensors
- Custom engineered linear brass focuser bearing reduces image shift, while dual-speed 10:1 FeatherTouch Micro Focus Knob provides the most precise focusing
- Quiet, high-output 12V MagLev fan reduces cooldown time and blocks dust
- Solid anodized aluminum dovetail minimizes tube-to-mount flexure
- Common camera adapters (T-thread and M48) included for easy attachment to popular CCD and DSLR cameras

Inventor Dave Rowe and optical engineer Mark Ackermann collaborated to create the Rowe-Ackermann Schmidt Astrograph's unique optical design.

ASTROIMAGING CAMERAS

NexImage and NexImage 5 Solar System Imagers

- A great way to get started with astroimaging, especially if you live in a light-polluted area
- One-shot color imagers that replace the 1.25" eyepiece on your telescope and connect to your PC via USB 2.0
- Choose between a 1280x720 CMOS sensor in NexImage or 5 MP of resolution with NexImage 5
- Includes everything you need to get started, including Celestron's easy-to-use software suite. Simply point your telescope at the Moon or a planet and record a quick video. The software analyzes each frame of video, throws away the fuzzy ones, and perfectly aligns the remaining images. Also works great for imaging the Sun (requires a solar filter)

Skyris Astronomical CCD and CMOS Cameras

- Created in conjunction with The Imaging Source, Skyris is a cutting-edge USB 3.0 camera for lunar, solar, and planetary imaging endorsed by the world's top astroimagers, including Christopher Go, Robert Reeves, and Thierry Legault
- Available in both color and monochrome with three sizes of ultra-sensitive Sony CCD and Aptina CMOS sensors
- Fast frame rates and shutter speeds capture planets during brief moments of stable air
- Includes iCap and RegiStax software for easy image capture and automatic stacking
- Skyris IR-Block Filter, 5-Position 1.25" Filter Wheel, and LRGB Imaging Filter Set also available

Nightscape and Nightscape 8300 Astronomical CCD Cameras

- The most affordable, feature rich CCD deep-sky imagers readily available, with the same high resolution, low noise and great sensitivity as more expensive cameras
- Choose between Nightscape, featuring the Kodak KAI-10100 sensor for more than 10 MP of resolution and advanced color binning capability, or the Nightscape 8300 with the beloved Kodak KAF-8300 sensor
- Fastar compatible cylindrical body shape for creating ultra-wide field astroimages at f/2 with most Celestron Schmidt-Cassegrain and EdgeHD telescopes
- Regulated thermo electiric cooling and adjustable fan dramatically reduce thermal noise
- Includes acclaimed and easy-to-use AstroFX software and ASCOM drivers

Its All About Image

Combining Celestron's newly designed dual fork arm computerized mount with its award winning EdgeHD optical system, the CPC Deluxe HD Series offers you a high definition experience!

80 mm Guidescope Package #52309 – 600 mm focal length guidescope and ring package for piggyback guiding during astro imaging

NexGuide Autoguider #93713 – NexGuide stand-alone autoguider eliminates the need for a laptop computer for guiding during long-exposure imaging

Nightscape #95555 – One shot color imaging camera with 10.7MP CCD sensor, mechanical shutter, TEC cooling and processing software

HD Pro Wedge #93664 – Provides a stable platform essential for polar aligning your fork arm telescope for smooth tracking all the way across the meridian

7x Reducer Lens - EdgeHD 1100 #94241 – Makes the EdgeHD 1100 telescope one full F-Stop faster than at f/10. Photographically this will enable you to reduce your exposure times by one-half and still capture the same amount of light, while providing a 43% wider field of view

Learn more about Astroimaging
by visiting **celestron.com/astroimaging**

EDGEHD OPTICAL TUBE ASSEMBLIES

With the advent of large CCD sensors and ultra-wide field eyepieces, Celestron's engineers set out to develop a completely flat-field optical system. The result was EdgeHD: an aplanatic Schmidt telescope free of the aberrations of field curvature and coma. When you look through an EdgeHD telescope, you'll see crisp stars all the way to the edge of the field of view–no streaky or doughnut-shaped stars. If you're an astroimager, you can be confident in your EdgeHD, because every single unit must pass a photographic test before leaving our factory. A manmade star is tested on all corners of a full-frame 42 mm CCD sensor for a sharp, round, pinpoint appearance every time.

+ Astrograph-quality optical technology at an affordable price
+ Pinpoint stars all the way to the edge of a full-frame CCD sensor
+ Available in 8- to 14-inch apertures

Learn more about Optical Tube Assemblies by visiting **celestron.com/ota**

EDGEHD 11"

MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	DOVETAIL	COATINGS	WEIGHT
EdgeHD 800	91031-XLT	203 mm (8")	Edge HD	2032 mm f/10	40 mm (51x) PL	9x50	CGE-5	StarBright XLT	14 lbs
EdgeHD 800	91030-XLT	203 mm (8")	Edge HD	2032 mm f/10	40 mm (51x) PL	9x50	CGE	StarBright XLT	14 lbs
EdgeHD 9.25	91040-XLT	235 (9.25")	Edge HD	2350 mm f/10	23 mm (102x) Luminos	9x50	CGE	StarBright XLT	21 lbs
EdgeHD 1100	91050-XLT	280 (11")	Edge HD	2800 mm f/10	23 mm (122x) Luminos	9x50	CGE	StarBright XLT	28 lbs
EdgeHD 1400	91060-XLT	356 (14")	Edge HD	3910 mm f/11	23 mm (170x) Luminos	9x50	CGE	StarBright XLT	46 lbs

SCHMIDT - CASSEGRAIN OPTICAL TUBE ASSEMBLIES

Celestron's founder Tom Johnson invented the process for mass-producing Schmidt correctors, revolutionizing the consumer telescope market with superior optical quality at an accessible price. Today, Celestron still uses Johnson's signature methods to produce the finest Schmidt-Cassegrain telescopes available. Choose from apertures ranging from 8 to 14 inches, and experience our over 50-year legacy for yourself.

+ Celestron's signature Schmidt-Cassegrain optical tube assemblies are available individually
+ Aluminum tube construction
+ StarBright XLT optical coatings for increased transmission
+ Multiple dovetail options to accommodate your mount

C6-A [XLT]

Learn more about Optical Tube Assemblies by visiting **celestron.com/ota**

MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	DOVETAIL	COATINGS	WEIGHT
C6-A (XLT)	91010-XLT	150 mm (6")	Schmidt-Cassegrain	1500 mm f/10	25 mm (60x) PL	6x30	CG-5	StarBright XLT	10 lbs
C8-A (XLT)	91024-XLT	200 mm (8")	Schmidt-Cassegrain	2032 mm f/10	25 mm (81x) PL	6x30	CGE	StarBright XLT	12 lbs
C8-A (XLT)	91020-XLT	200 mm (8")	Schmidt-Cassegrain	2032 mm f/10	25 mm (81x) PL	6x30	CG-5	StarBright XLT	12 lbs
C9.25-A (XLT)	91027-XLT	235 mm (9.25")	Schmidt-Cassegrain	2350 mm f/10	25 mm (94x) PL	6x30	CGE	StarBright XLT	20 lbs
C9.25-A (XLT)	91025-XLT	235 mm (9.25")	Schmidt-Cassegrain	2350 mm f/10	25 mm (94x) PL	6x30	CG-5	StarBright XLT	20 lbs
C11-A (XLT)	91036-XLT	279 mm (11")	Schmidt-Cassegrain	2800 mm f/10	40 mm (70x) PL	9x50	CGE	StarBright XLT	27 lbs
C11-A (XLT)	91067-XLT	279 mm (11")	Schmidt-Cassegrain	2800 mm f/10	40 mm (70x) PL	9x50	CG-5	StarBright XLT	27 lbs
C14-A (XLT)*	91038-XLT	355 mm (14")	Schmidt-Cassegrain	3910 mm f/11	40 mm (98x) PL	9x50	CGE	StarBright XLT	45 lbs

*Fastar

CELESTRON MOUNTS

When assembling your ideal telescope, rely on Celestron's mounts as the perfect stable foundation. Each is optimized to accommodate your specific needs, from ease of setup and ergonomic design, to alignment technology and celestial databases, to portability, stability, and precision.

Learn more about Celestron Mounts by visiting **celestron.com/mounts**

MODEL	ITEM #	DESCRIPTION	WEIGHT
Omni CG-4 Mount	91509	German Equatorial Mount as supplied with all Omni XLT Series telescopes	30 lbs
Advanced VX Mount	91519	Advanced Computerized German Equatorial Mount for loads up to 28 lbs.	45 lbs.
CGEM Computerized Mount	91526	High-end Computerized German Equatorial Mount for loads up to 40 lbs.	75 lbs
CGEM DX Computerized Mount	91528	High-end Computerized German Equatorial Mount for loads up to 50 lbs.	108 lbs
CGE Pro Computerized Mount	91527	Observatory-class Computerized German Equatorial Mount for loads up to 90 lbs.	154 lbs

ACCESSORIES

Eyepieces and Barlow Lenses

Get a new perspective on your favorite celestial objects by adding a new eyepiece or Barlow lens to your collection. We have eyepiece lines to meet every experience level and price point, including our acclaimed Luminos series with an ultra-wide 82-degree field of view.

Accessory Kits

Packed with everything you need for your next observing session, our accessory kits are a great way for new amateur astronomers to grow their accessory collection quickly. Each kit includes an assortment of eyepieces and filters. Our most popular kits include a Barlow lens and premium aluminum carrying case!

PowerTank

Power your Celestron computerized telescope for hours with this must-have accessory. Includes a built-in white spotlight and red flashlight to help you set up and break down your gear, an emergency alarm, and more. You can even give your car a jump-start with PowerTank!

StarSense AutoAlign

The same award-winning alignment technology found in our SkyProdigy telescopes is now available as an accessory for any Celestron computerized telescope! Give your favorite telescope, from a NexStar SE to a CGE Pro 1400, the ease and power of automatic alignment and instant navigation. Advanced users can add up to 10 calibration stars for Celestron's most accurate alignment possible.

SkySync™ GPS

Improve your alignment accuracy with this compact GPS unit. Just plug it into your Celestron computerized mount, and Sky-Sync will automatically download time and location information from global positioning satellites.

CrossAim Reticle Eyepiece

Ideal for accurate polar alignment and use with off-axis guiders, CrossAim uses an adjustable red LED with double crosshairs for accurate centering and guiding of stars.

SkyQ Link

Control your telescope with your iPhone or iPad using the SkyQ Link WiFi Module. Tap any object on the screen, and your Celestron computerized telescope automatically slews to it.

NexStar Carrying Cases

Safely store your Schmidt-Cassegrain or EdgeHD optical tube in a custom-molded EVA carrying case. Hard yet flexible, the case protects the tube from bumps and scratches, and even features a zippered storage pocket for accessories. Larger cases include wheels and a retractable handle for easy transport.

NexGuide™

This stand-alone autoguider replaces guiding software and simplifies your astroimaging setup. Just attach NexGuide to your separate guidescope for a simple way to improve tracking accuracy for long exposures.

Learn more about Celestron Accessories by visiting **celestron.com/accessories**

An award-winning legacy brand for over 50 years, Celestron has grown to become the world's leading telescope maker and enjoys brand-name recognition among serious amateur astronomers for superior optics, outstanding design, and innovative technology. Celestron's passion for astronomy stands superior to all competitors as we strive to make our telescopes easier to use while maintaining the high standards we set for our quality products.

We are committed to the latest product designs and innovative engineering, backed by our longstanding ability to manage and control all aspects of the design-to-market process. Celestron's in-house staff of engineers, industrial designers, and optical experts are consistently challenging themselves to improve and refine our existing products, as well as develop bold new product designs that feature the latest innovations for our customers.

Celestron also develops a wide range of exciting products and technologies that enhance the science, outdoor, and educational markets. Continuous product improvement, award-winning innovations, and design excellence ensure that all products we create inspire a sense of wonder, knowledge, and fun in our customers and throughout our company.